THE ENVIRONMENT

Always dispose of unwanted tools, accessories and packaging materials in an environmentally friendly manner.

DECLARATION OF CONFORMITY

We hereby certify that KOBE MINI ANGLE GRINDER 50mm

(ORDER CODE: KBE-270-2090K)

complies with all the relevant provisions of the

Directives: Machinery 2006/42/EC.

Standards Applied:

EN ISO 12100:2010 , EN ISO 11148-7:2012, EN ISO 28927-1:2009 & EN ISO 15744:2008.

Signed:

Date: 6th January 2022

Name: Toni Johonson

Position: Compliance Director

KOBE TOOLS
Cromwell Group (Holdings) Limited.
65 Chartwell Drive, Wigston, Leicestershire,
England, LE18 2FS

Contact Us: contactus@cromwell.co.uk

Country of Origin :Taiwan

QUALITY GUARANTEE & WARRANTY

KOBE PROFESSIONAL AIR TOOLS carry a one year manufacturer's warranty.

KOBE PROFESSIONAL AIR TOOLS are designed & manufactured to the highest standards & specifications
Assuring the quality and performance required by all sectors of industry.

KOBE PROFESSIONAL AIR TOOLS are fully guaranteed against faulty materials & workmanship.
Should they be found to be defective, they will either be repaired or replaced free of charge (fair wear and tear and/or misuse excepted).

Please retain supplier invoice as proof of purchase.

Cromwell Group (Holdings) Limited.
65 Chartwell Drive, Wigston, Leicestershire, England, LE18 2FS
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KOBE™

PROFESSIONAL AIR TOOLS

MINI ANGLE GRINDER 50mm

MODEL:
FAG050M

ORDER CODE:
KBE-270-2090K

- For metal dressing, rust removal, weld preparation and automotive bodywork fabrication in hard to reach areas
- 20,000rpm
- Rubber handle provides grip and operator comfort
- Speed regulator
- Safety release throttle
- Heavy duty disc guard
- Side exhaust
- Ball bearing construction for a long tool life
- Supplied with 2 x A60, 1x A80 and 1 x A120 50mm grinding discs



WARNING: THE SAFETY INFORMATION GIVEN INSIDE MUST BE READ AND UNDERSTOOD BY ANY PERSON USING, INSTALLING, REPAIRING OR MAINTAINING THESE PRODUCTS.

OPERATOR'S MANUAL

Please retain this information for future reference.

SAFETY INSTRUCTIONS

You have purchased a quality product that is designed for high performance and long service life. If correct use, safety and maintenance procedures are observed this machine will last for many years.

KOBE INDUSTRIAL POWER TOOLS have been specifically designed to help you work **SAFELY** and **EFFICIENTLY**. Your care and good judgement are the best protection against injury, but always ensure that the appropriate safety equipment is worn. All possible hazards cannot be covered here, but the most important ones have been highlighted.

GENERAL OPERATING HAZARDS

- Always ensure all users are physically able and competent to handle the size, weight and power of the tools and have received appropriate training to perform the task.
- Always be aware of the tool rundown time.
- Always ensure the tool is kept in a good working condition. **DO NOT** use the tool if any parts are missing or damaged.
- Always inspect the air tool for cracks or excessive wear before connecting and during use.
- Always store the tool in a dry, secure place away from children.
- Always check for damaged or loose parts and fittings.
- Always use recommended attachments or parts.
- Always avoid accidental starting of the tool by disconnecting it before replacing accessories or repairing.
- Never operate the tool when tired or under the influence of alcohol/prescription or non-prescription drugs.
- Never operate if any parts are missing or damaged.
- Never leave the tool running whilst unattended.
- Never modify the tool or accessories and only use it for the task for which it has been designed.
- Never force or apply excessive pressure on the tool.
- Never touch moving or active parts of the tool or accessories.
- Never work in a combustible atmosphere.
- Never allow children to use or play with the tool.

WORKPLACE HAZARDS

- Always comply with Health & Safety regulations.
- Always be aware of excess hose around the work place.
- Never carry a tool by the air hose or with your fingers on the trigger whilst connected to an air supply.

PERSONAL PROTECTION

- Always ensure that all long hair, loose clothing & jewelry, etc., are secured or removed.
- Avoid wearing watches, rings or bracelets whilst using this tool.

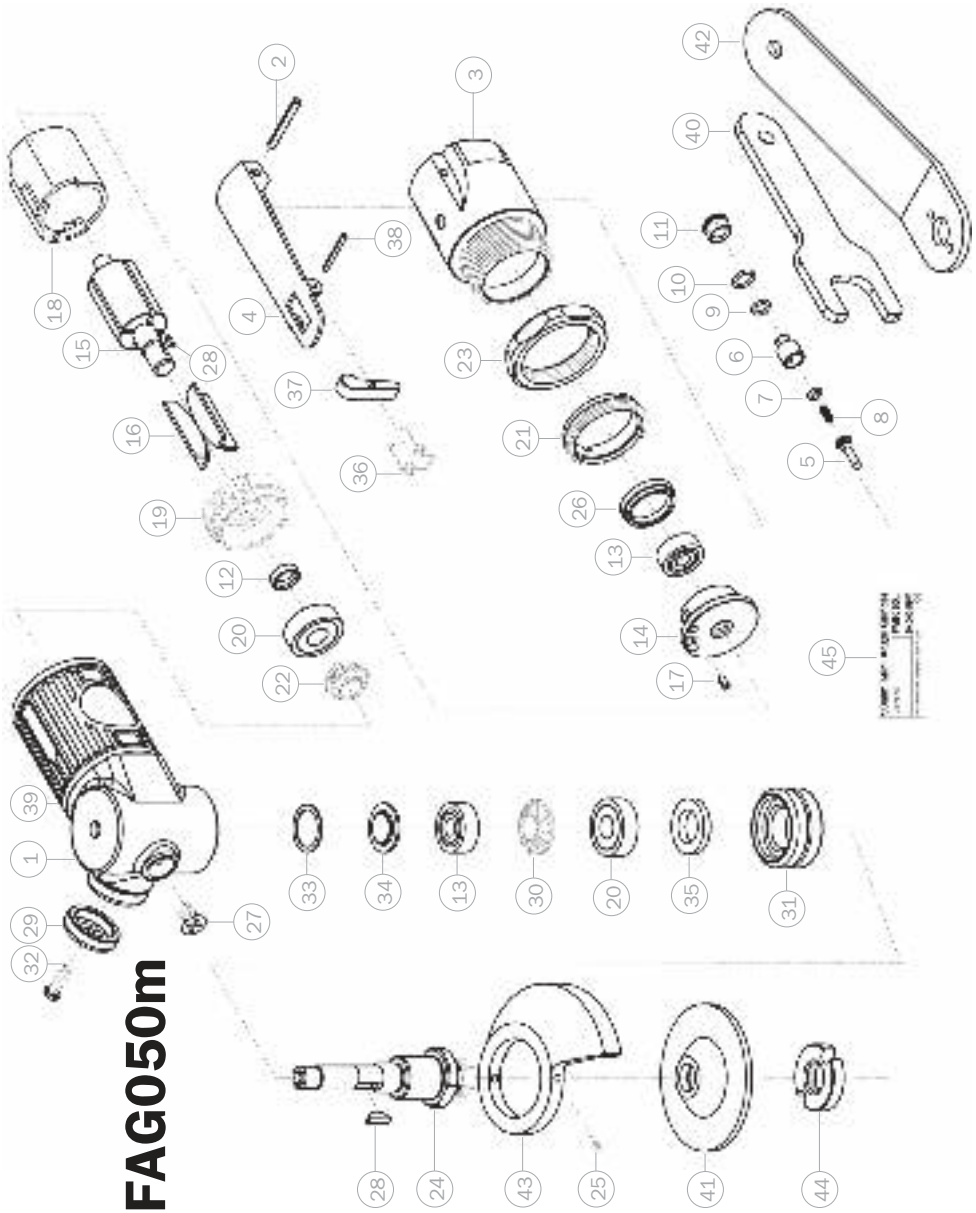


SPECIFIC SAFETY INSTRUCTIONS

- Always ensure all accessories are rated to the “Free” speed of the air tool and intact before fitting or using.
- Always use air tool attachments that are in good condition and are designed to be used with the tool.
- Always be aware of the risk of crushing between the tool and the workpiece due to sudden movement or reaction forces.
- Always shut off air supply, drain hose of air pressure and disconnect tools from air supply when not in use, before changing accessories or when making repairs.
- Never apply additional or over excessive force to the air tool.
- Never make contact with electric power sources as this tool is not insulated.
- Never exceed the maximum air pressure of the tool.

Index No.	Order Code KBE-298	Description	QTY
1	298-3500S	MOTOR HOUSING	1
2	298-3501S	SPRING PIN (3X24L)	1
3	298-3502S	VALVE BODY	1
4	298-3503S	LEVER	1
5	298-3504S	VALVE STEM	1
6	298-3505S	AJDUSTABLE VALVE	1
7	298-3506S	“O” RING (4.8X1.9)	1
8	298-3507S	SPRING	1
9	298-3508S	“O” RING (7.8X1.9)	1
10	298-3509S	“O” RING (9.8X2.4)	1
11	298-3510S	THROTTLE VALVE PLUG	1
12	298-3511S	SPACER	1
13	298-3512S	BALL BEARING (2) (606ZZ)	1
14	298-3513S	REAR END PLATE	1
15	298-3514S	ROTOR	1
16	298-3515S	ROTOR BLADE (4)	1
17	298-3516S	SPRING PIN (2.5X5L)	1
18	298-3517S	CYLINDER	1
19	298-3518S	FRONT END PLATE	1
20	298-3519S	BALL BEARING (2) (608ZZ)	1

Index No.	Order Code KBE-298	Description	QTY
21	298-3520S	LOCK NUT	1
22	298-3521S	PINION GEAR	1
23	298-3522S	LOCK RING	1
24	298-3523S	SPINDLE	1
25	298-3524S	SCREW (3) (M3X5L)	1
26	298-3525S	CAP	1
27	298-3526S	SCREW (M5X8L)	1
28	298-3527S	KEY (2)	1
29	298-3528S	EXHAUST COVER	1
30	298-3529S	BEVEL GEAR	1
31	298-3530S	LOCK NUT	1
32	298-3531S	SCREW (M4X12L)	1
33	298-3532S	PACKING	1
34	298-3533S	BEARING COVER	1
35	298-3534S	SEAL	1
36	298-3535S	SPRING	1
37	298-3536S	LEVER BAR	1


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KOBE INDUSTRIAL AIR TOOLS

SPECIFICATIONS

ORDER CODE	KBE-270-2090K
MODEL NUMBER	FAG050M
FREE SPEED	20,000rpm
DISC SIZE	50x4x9.6mm (2"x 5/32"x 3/8")
AIR INLET THREAD	1/4"NPT
AIR HOSE SIZE (ID)	3/8"(10mm)
AIR PRESSURE	90PSI (6.2Bar)

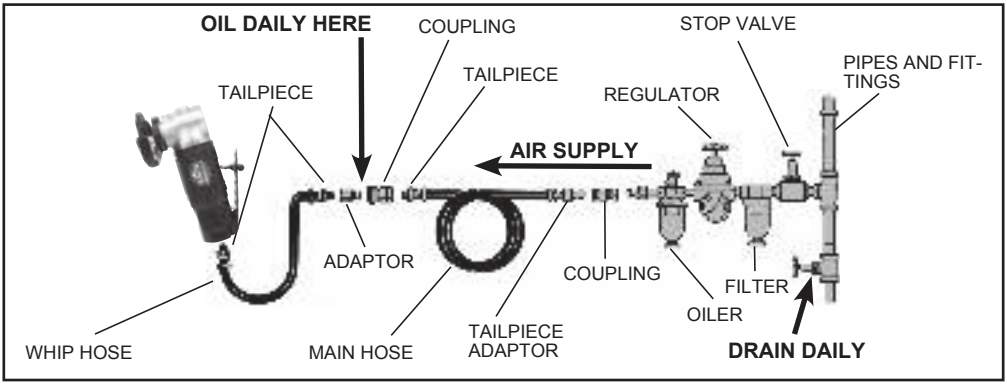
AIR CONSUMPTION	4CFM*
OVERALL LENGTH	140mm
NET WEIGHT	530g

This Tool Produces a Noise Level of 83 dBA Sound Pressure and 92 dBA Sound Power Per Pneurop Standard PrEN ISO15744:2002. Vibration Level is 1.7m/s² tested per EN 28662-1.

*Air consumption without load in 1 minute.

KOBE PROFESSIONAL AIR TOOLS

SUGGESTED AIR SUPPLY



Connect tools to the air line using pipe, hose and fitting sizes listed in the specifications.

Supply tools with 90psi/6.2bar of clean, dry air. A higher pressure and unclean air will shorten the tool life because of faster wear and may create a hazardous condition.

Requirements for Quick Acting Couplings connected to Air Tools:

A leader hose of minimum length 500mm between the tool and the coupling is required in order to comply with Health and Safety Executive Guide **HS(G) 39, BS4575:2, ISO 4414 and ISO 6150.**

CAUTION!

- **ALWAYS** treat the tool with respect - a fast moving sanding disc can cut through clothes and skin very easily.
- **ALWAYS** use the right tool for the job - DO NOT improvise by using accessories not designed for the tool or job.
- **ALWAYS** inspect the air tool for cracks or excessive wear before connecting and during use.

Before using an angle grinder or installing a new disc, inspect the grinding disc for chips and cracks. Grinding discs with flaws, can explode whilst rotating. Always handle both the Angle Grinder and individual grinding discs carefully to avoid damage.

1. Remove the plastic dust cap using a pair of pliers (See fig. 2).
2. Connect the angle grinder to the air supply using a whip hose.
3. Use your thumb to move the safety bar forwards before squeezing the throttle lever (See fig. 3).
4. The air speed can be regulated by turning the brass throttle valve plug with a flat ended screwdriver to achieve a High or Low speed (See fig. 4). Low speed will result in less power.
5. If needed, the disc guard can be positioned at any position around the disc by loosening the three screws with a hexagon key (See fig. 5).
Never remove the disc cover completely.

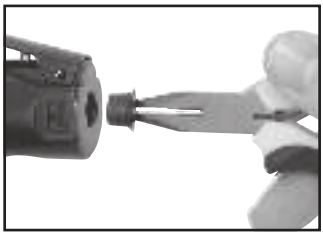
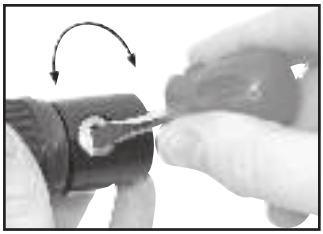
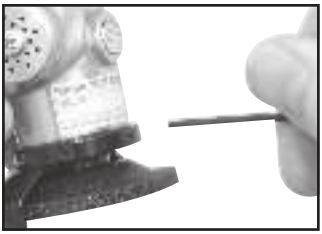

Fig. 2



Fig. 3

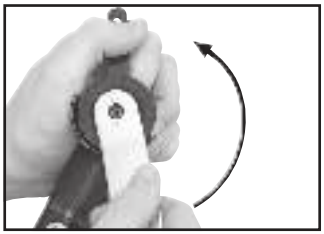

Fig. 4


Fig. 5

6. Allow the tool to run up to its maximum speed, preferably under a workbench, before applying to the workpiece.
7. For best results, tilt the angle grinder at a 10° to 15° angle whilst grinding. If the disc is held flat or the back edge of the disc comes in contact with the work, a violent thrust to the side may result. If the angle grinder is tilted too much, the grinding action will be too great and a rough cut surface or gouging and snagging will result.
8. Beware of the tool running on for some time after the throttle lever is released.

CHANGING THE GRINDING DISC

1. Always disconnect the angle grinder from the air supply before changing the grinding disc.
2. Place the spanner on the spindle and the pin wrench on the locking nut. Hold the spanner and the angle grinder firmly and rotate the pin wrench in an anti-clockwise direction (See fig. 6).
3. Replace the grinding disc and the locking nut.


Fig. 6

MAINTENANCE

A competent person must disassemble and inspect higher wear parts periodically if the tool is used every day or if there is a noticeable drop in the tool performance. Any damaged or worn parts must be replaced. Your 12 month warranty could become void if the tool is unnecessarily dismantled and damage is caused. If you are unsure about dismantling the tool, please return it to your local Kobe agent.

The use of other than genuine Kobe replacement parts may result in safety hazards, decreased tool performance, increased maintenance and voiding of warranty.

Mineral spirits are recommended when cleaning the tool and its parts. DO NOT clean with any solvents or oils containing acids, esters, ketones, chlorinated hydrocarbons or nitro carbons. DO NOT use chemicals that have a low flash point.

For spare parts or servicing please contact your local Kobe agent.

CAUTION!
Other factors outside the tool may cause loss of power or erratic action. Reduced compressor output, excessive drain on the airline, moisture or restrictions in air pipes or the use of hose connections of improper size or poor conditions may reduce air supply. If outside conditions are in order and the tool still runs erratically, disconnect the tool from the air hose and take it to your local Kobe agent.

WARNING!
Repairs must be performed in a dirt-free environment by a qualified person who is familiar with this type of equipment. Your warranty is invalid if this advice is ignored.

LUBRICATION

Air tools require lubrication throughout the life of the tool as moisture in the compressed air will rust the air motor and the correct lubrication is vital for the maximum performance of the air tool. Failure to lubricate the tool at the air inlet will void your warranty.



Either use an air line lubricator with air tool oil adjusted to two drops per minute, or if an air line lubricator cannot be used, add one teaspoon of air motor oil to the inlet **(Fig. I)** or into the hose at the nearest connection to the air supply once a day and then run the tool. ISO Grade VG22 oil is recommended. A rust inhibitive oil is acceptable for air tools.

Do not lubricate the tool with flammable or volatile liquids such as paraffin (kerosene), diesel or jet fuel.